



Product: [48082A](#)

TC VN/PVC, 4 C #14 Str BC, PVC-NYL Ins E1, Blk PVC Jkt, 600V TC-ER  
150V NPLF 90C Dry/Wet SUN RES DIR BUR

### Product Description

UL Type TC (1277) PVC-Nylon/PVC, 4 Conductor 14AWG (Class B) Bare Copper, PVC-NYL Insulation E1 Color Code, Black PVC Outer Jacket, 600V TC-ER 150V NPLF 90C Dry/Wet SUN RES DIR BUR

### Technical Specifications

#### Product Overview

|                        |   |
|------------------------|---|
| Suitable Applications: | Power and Control Applications up to 600V |
|------------------------|---|

#### Construction Details

##### Conductor

| Element      | No. of Elements | Size   | Stranding | Material         |
|--------------|-----------------|--------|-----------|------------------|
| Conductor(s) | 4               | 14 AWG | 7x22      | BC - Bare Copper |

##### Insulation

| Element      | Material                               | Nom. Thickness     | Nom. Insulation Diameter | Color Code               |
|--------------|--|--------------------|--------------------------|--------------------------|
| Conductor(s) | PVC/Nylon - Polyvinyl Chloride + Nylon | 0.024 in (0.61 mm) | 0.116 in mm              | Black, White, Red, Green |

##### Outer Shield

| Material  |
|-----------|
| No Shield |

##### Outer Jacket

| Material                 | Nom. Thickness    | Nom. Diameter | Ripcord |
|--------------------------|-------------------|---------------|---------|
| PVC - Polyvinyl Chloride | 0.047 in (1.2 mm) | 0.374 in      | Yes     |

|                                   |          |
|-----------------------------------|----------|
| Overall Cable Diameter (Nominal): | 0.374 in |
|-----------------------------------|----------|

#### Electrical Characteristics

##### Electricals

| Nom. Conductor DCR | Max. Current                  |
|--------------------|-------------------------------|
| 2.52 Ohm/1000ft    | 20 Amps per Conductor at 30°C |

##### Voltage

| UL Voltage Rating           |
|-----------------------------|
| 600 V (TC-ER), 150 V (NPLF) |

#### Mechanical Characteristics

##### Temperature

| UL Temperature     | Operating               |
|--------------------|-------------------------|
| 90°C Dry, 90°C Wet | Wet/Dry: -30°C To +90°C |

##### Bend Radius

| Stationary Min.     | Installation Min. |
|---------------------|-------------------|
| 1.496 in (38.00 mm) | 1.87 in           |

|                    |                      |
|--------------------|----------------------|
| Max. Pull Tension: | 218.4 lbs (99.06 kg) |
| Bulk Cable Weight: | 95 lbs/1000ft        |

## Standards and Compliance

|                                  |   |
|----------------------------------|---|
| Environmental Suitability:       | Indoor, Outdoor, Sunlight Resistance, UV Resistance, Burial   |
| Flammability / Reaction to Fire: | UL 1685 UL Loading, IEEE 1202 FT4   |
| NEC / UL Compliance:             | Article 336, NPLF, TC-ER, THWN-2  |
| European Directive Compliance:   | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)   |

## History

|                      |   |
|----------------------|---|
| Update and Revision: | Revision Number: 0.60 Revision Date: 02-03-2025 |
|----------------------|---|

## Part Numbers

### Variants

| Item #         | Putup Type |
|----------------|------------|
| 48082A 0105000 | Reel       |

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